

Math 1040 – Statistics – Section 4 -- Fall 2007

Instructor: Sarah Brown
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Prerequisites: A recent (within the last two years) Math ACT of 23 or a grade of "C" or better in Math 1010, fundamental computer skills recommended.
Text: *Elementary Statistics: Picturing the World*, 3rd ed. by Larson and Farber
Other Materials: Preferred calculators are TI 83, TI 84, and TI 89
Fees: \$10 for Math Tutoring Center
Class Meetings: 3-3:50pm Monday through Friday SC129. Wednesday help sessions are optional.
Office Hours: Monday through Friday, 9:30-10:30 in SC 120

Course Description: (As found in the SUU 2007-2008 Undergraduate Catalog)

An introduction to the basic concepts and methods of statistical data analysis. Descriptive statistics, statistical graphs, statistical estimation techniques and hypothesis testing, regression and correlation; chi-square application, one-way ANOVA.

Objectives:

- Study both descriptive and inferential statistics
- Use technology in the handling of data
- Interpret data and draw logical conclusions
- Design a scientific approach to a statistical situation
- Present data appropriately
- Be aware of the use of statistics in the world around us
- Recognize incorrect data, methods, presentations, and interpretations

Grading:

Homework (41-45 assignments)	400 points (10 pts each, 1-5 lowest assignments will be dropped)
Midterm Exams (4 tests)	300 points (75 pts each, usually after every two chapters)
Final Exam	300 points (cumulative with an emphasis on the last three chapters)
Extra Credit	½ point for each day you attend class except exam days and help sessions, provided you're on time and stay the whole class period.

Grading Scale:

A	930-1000 (93%-100%)	B-	800-829 (80%-82%)	D+	670-699 (67%-69%)
A-	900-929 (90%-92%)	C+	770-799 (77%-79%)	D	630-669 (63%-66%)
B+	870-899 (87%-89%)	C	730-769 (73%-76%)	D-	550-629 (55%-62%)
B	830-869 (83%-86%)	C-	700-729 (70%-72%)	F	0-549 (0%-54%)

Attendance:

Attendance is expected. You receive ½ point extra credit for each day you attend class except exam days and Wednesday help sessions, provided you're on time and stay the whole class period.

Homework:

The class is 4 credits. **Expect to spend at least 8 hrs on homework each week** (2 hours for every hour of class). Homework is graded by selecting a few of the assigned problems. Be sure to show your work on involved problems. You are encouraged to work in groups but may not copy each other's homework. Copying solutions from others or the back of the book or solutions manual will result in 0 credit. Homework is collected at the end of class but may also be turned in at my office (SC 120) by 5pm sharp the day it is due. **Late homework is not accepted and missed exams cannot be made up unless there are extenuating circumstances as approved by the instructor.** Grades are posted approximately two weeks after each midterm exam on WebCT, which can be accessed from <http://www.suu.edu/curstu/>.

University Policies:

Scholastic dishonesty will not be tolerated and will be prosecuted to the fullest extent. You are expected to have read and understood the current issue of the student handbook (published by Student Services) regarding student responsibilities and rights, and the intellectual property policy, for information about procedures and about what constitutes acceptable on-campus behavior.

Having an instructor's manual is not allowed.

Students with medical, psychological, learning, or other disabilities desiring academic adjustments, accommodations, or auxiliary aids will need to contact the *Disability Support Center*, Room 205D, Sharwan Smith Center, phone (435) 865-8022. The Disability Support Center determines eligibility for and authorizes the provision of these services and aids.

Resources for Help:

- The Student Success Center <http://www.suu.edu/ss/success/> in the Sharwan Smith Center has free tutoring <http://www.suu.edu/ss/success/tutoring.html>.
- My office hours are Monday through Friday 9:30-10:30 in SC 120.
- I encourage you to form study groups with your classmates. However, problems must be written up in your own words. **Duplicate homeworks are not acceptable and will result in 0 credit for all parties.**
- Wednesday help sessions with the TA are primarily question/answer sessions.
- The textbook explanations can be helpful.

Information contained in this syllabus, other than the grading, late assignments, makeup work, and attendance policies, may be subject to change with advance notice, as deemed appropriate by the instructor. Changes will be announced in class.